TWN3 MIFARE

13.56MHz Contactless Reader/Writer

The TWN3 MIFARE transponder reader is designed for easy integration into various applications.

The device supports either USB or RS232 communication just in dependence on the connection cable and is available as ready-to-connect desktop reader in a slim line black or white housing or as a OEM board (PCB) without housing for direct integration into embedded applications.

Readers can be programmed with a script language for autonomous execution of even complex commands like login procedures, increment/decrement functions and many more.

ELATEC
RFID Systems

Technical Data

Housing	Material ABS UL94-V0, colour black or white
Frequency	13.56 MHz
Dimensions	Desktop Reader: 88mm x 56mm x 18mm / 3.5inch x 2.2inch x 0.7inch
	OEM Board: 76mm x 49mm x 14mm / 3.0inch x 1.9inch x 0.6inch
Power Supply	5V ± 10% via communication cable (USB); serial version requires external power supply
Supply Current	55mA typ. (USB, normal operation); 120mA peak
Temperature Range	Storage: -45°C up to +85°C (-49°F up to 185°F)
	Operating: -25°C up to +80°C (-13°F up to 176°F)
Antenna	Aircoil
R/W Distance	up to 100 mm / 4 inch (depending on transponder)
Host Interfaces	USB, RS232.
OS Support	Windows XP, Windows Vista, Windows 7 (32/64 bit) and Linux
Communication Parameters	USB: Full speed (12 MBit)
	RS232: Baudrate: 1200, 2400, 4800, 9600
	Parity: none, even, odd
Modes of Operation	USB keyboard emulation
	USB virtual COM port (bi-directional communication)
	Direct access to built-in RFID module (transparent mode)
Special Features	Powerful scripting language
Supported Transponders	▪ ISO14443A ▪ MIFARE: Classic 1k, 4k, DESFire EV1[3], Mini, Plus S[2],X[2] , Pro X[3], SmartMX[3], Ultralight, Ultralight C[4] ▪ LEGIC Advant[3] ▪ SLE44R35 ▪ SLE66Rxx
Certifications	CE, R&TTE, RoHS-II compliant, FCC, IC, ACA, VCCI
Weight	Approximately 15g (without housing)
Order Code	OEM board Desktop reader: ART11050
	USB black: ART11223
	USB white: ART11224
	Serial black: ART12461
	Serial white: ART12462

[1] UID only, [2] Support of security level 1 [3] UID only [4] without crypto

Accessories

Order Code	Snap-in holder ART13512 black, ART15344 white	Bracket Holder ART15203 black, ART15235 white	ART11493 USB cable 200cm / 78.74inch ART13488 USB cable 45cm / 17.72inch ART13829 USB cable 120cm / 47.24inch
Order Code	ART14712 Power Supply (EU) ART14714 Power Supply (AU)	ART14713 Power Supply (US) ART14715 Power Supply (UK)	ART14269 USB cable mini 12cm / 4.72inch ART12240 RS232 cable 200cm / 78.74inch

Drawing/Pin Out

Refer to document DS_TWN3 Reader Family Pinouts